

Energy and Environment Related Economic Stimulus Opportunities

Opportunity	Description	Actions	Labor Sectors Stimulated	Department/Agency	Initial Funding Estimate
Less than 180 days to Start-Up					
Bethesda Green – Collaborative and Incubator	Bethesda Green is a community operated grass roots organization seeking to create an inclusive green community. Bethesda Green is currently transforming an office suite into a green technology demonstration site, incubator for early start-up businesses, office space, community meeting area on green issues	<ul style="list-style-type: none"> Green economic coordinator position. Facility improvements and demonstration technology funding. Start-up grants for business plan development. 	<ul style="list-style-type: none"> New clean energy service and product providers (up to 5 jobs) Professional green program coordinator (1 job) 	DED/DEP	\$150,000
"Green" Construction and Contractor Workforce Training	Essential to the recovery of our economy is the training of a workforce ready to deploy green technologies that provide cost savings, reduce dependence on energy imports, improve building infrastructure quality, and provide environmental benefits." To achieve this objective, a diverse and qualified workforce is needed that can begin work in these key sectors. The service sector offers the most robust near term opportunities for employment.	<ul style="list-style-type: none"> Home and commercial building auditors training. HVAC and building industry training on green technologies Sponsor North American Board of Certified Energy Practitioners PV installer training. 	<ul style="list-style-type: none"> Construction Contractors Design services 	DED/Montgomery College Stakeholders: MD-DC-VA Solar Energy Industries Association Maryland Home Performance with ENERGY STAR DOE Solar Energy Technologies Program	\$500,000
Facility and Energy Manager Training	<p>Energy-efficient building operation is dependent on management staff with knowledge of a facilities operation and maintenance, electrical and mechanical systems. Effective energy management has the potential to pay for staffing costs through energy savings creating jobs from avoided energy waste.</p> <p>Energy management provides ideal career ladders for individuals from disadvantaged backgrounds. Ranging from facilities techs to highly-qualified energy managers.</p>	<ul style="list-style-type: none"> Create/enhance energy certificate/accreditation program for building maintenance and operation technicians. Sponsor Certified Facility Manager Programs, with enhanced energy curriculum for existing managers and operators. Create in-service energy technology internship opportunities for prospective energy 	<ul style="list-style-type: none"> Building technicians (vocational education to associate degree) Facility Managers Energy Managers. 	DED/DEP/Montgomery College/MCPS Stakeholders: National Facilities Management and Technicians Association of Energy Engineers Vocational Training Organizations	Montgomery County (Pilot) \$1 million

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		<p>managers and technicians.</p> <ul style="list-style-type: none"> ▪ Sponsor Association of Energy Engineers Certified Energy Manager Trainings 			
Business Energy-Efficient Equipment and IT Infrastructure Grant/Loan Program	<p>Commercial buildings, which comprise over 40% of Montgomery County's energy consumption, have substantial opportunities for improvements that save energy and create opportunities in key business sector. Energy consumed by appliances and "plug" loads can be 20 to 60% or more of total energy consumption depending on the sector, providing a substantial energy-efficiency opportunity.</p> <p>While building retrofits take time (> 180 days) to assess condition and ramp up, the upgrade of IT equipment, food service equipment, appliances and other non-structural equipment presents an opportunity to rapidly deploy energy saving technology, create economic activity in the supplier sector and while improving business worth and productivity.</p> <p>Building on existing SBA loan programs this effort can be launched rapidly.</p>	<ul style="list-style-type: none"> ▪ Develop "equipment and IT infrastructure" loan program for businesses to stimulate the purchase of energy-efficient "plug load" products. ▪ Provide a business "grant " to enable SBA defined small businesses to upgrade equipment. 	<ul style="list-style-type: none"> ▪ Energy-efficient product (e.g., ENERGY STAR) manufacturers. ▪ Equipment wholesalers, distributors and retailers. ▪ Program participating businesses through productivity increases. 	<p>Federal Lead: SBA</p> <p>Local Lead/Liaison: DED/DEP</p>	<p>Montgomery County (Pilot)</p> <p>Loan \$20 million Grant \$2 million</p>
National Building Stock "Census"	<p>Essential to developing programs, harnessing investment, and training a next generation of workers is gaining a better understanding of the condition, usage, and energy performance our nation's residential and commercial building stock.</p> <p>The U.S. DOE's Energy Information Administration (EIA) has developed statistics, however these statistics offer only a broad view of the nation's built environment.</p> <p>Developing a national "building stock" baseline and census to collect and analyze data from available sources, evaluate a statistically significant sample of buildings at the local level will provide useful information to enhance federal, state, local and utility programs.</p>	<ul style="list-style-type: none"> ▪ Conduct a national building stock inventory or local pilot. ▪ Develop a scope for the inventory, procure employees. ▪ Integrate program into Americorp, Community job training initiatives, vocational, and higher-education curriculum. 	<ul style="list-style-type: none"> ▪ Energy auditors ▪ Consulting firms specializing in statistical analysis. ▪ Displaced workforce ▪ Students and youth 	<p>Federal Lead: U.S. DOE</p> <p>Local Lead/Liaisons: DEP, DED, Park and Planning</p>	<p>Montgomery County (Pilot)</p> <p>\$1 million</p>

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	<p>Similar to the census a comprehensive review of building condition would provide short-term employment opportunities for unskilled, skilled, and professional labor. For example community members would be needed to collect information locally, contractors to analyze and evaluate the data, and building energy auditors to do a sample of audits.</p> <p>This program could be combined with an "Americorp" type structure to enable an introduction into green professions and early experience for the next generation of workers.</p>				
Low-Income Weatherization Program	<p>Building on existing federal, local and state programs, ramp up weatherization programs that contribute to the improvement of low-income homes through grants.</p> <p>Each grant should use the Home Performance with ENERGY STAR approach to ensure high-quality and appropriate upgrades that result in real and sustained savings to participants.</p> <p>Addressing low-income homes within 180 days provides an idea ramp-up for a broader community loan program.</p>	<ul style="list-style-type: none"> Enhance funding for low-income weatherization programs. Provide grants to homeowners. Develop a formula grant to allocate resources to local-jurisdictions 	<ul style="list-style-type: none"> Energy auditors and assessors. Contractors and construction Product manufacturers, wholesalers, distributors and retailers. 	HHS, DEP	<p>Montgomery County Allocation/Pilot</p> <p>\$2 million</p>
Stream Water Quality Projects	Stream restoration, maintenance and construction of storm water management facilities, and safety improvements	<ul style="list-style-type: none"> Restore 2/3 mile of Booze Creek in Bethesda Build new SWM pond to serve 396 acres in Bethesda Retrofit SWM ponds in Gaithersburg, Germantown, Knightsbridge, and Olney Safety improvements and retrofit of Gudelsky Dam in Rockville 	<ul style="list-style-type: none"> Contractors and construction Engineers Environmental service companies 	DEP	\$6 million
Greater than 180 Days to Start-Up					
Home Energy	The residential sector is responsible for over 50%	<ul style="list-style-type: none"> Develop a federally 	<ul style="list-style-type: none"> Energy auditors and 	Finance/DEP	Montgomery

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Retrofit Loan Program	<p>of Montgomery County's energy consumption. The residential sector is one of the best opportunities for low-cost energy-efficiency improvements. For example, a \$5,000 package of improvements can yield an average of 20% savings for homeowners.</p> <p>Developing a federally backed no/low interest loan program, where payments are collected through local property tax bills, provides an opportunity to finance loans over long periods of time and enhancing the guarantee of collection. Under a property tax model the loan also moves with the property. Only those improvements identified by a qualified energy auditor would be financed, to ensure that homeowners get quality, high rate of return improvements. . Using an effective package of improvements residents will realize energy savings that exceed loan payments. Energy improvements also provide an opportunity to build long-term home worth through lower operating costs, greater comfort and other home improvements.</p> <p>Program could be extended to on-site solar and other technologies where appropriate.</p>	backed no/low interest program to provide loans, collected through local government taxes to homeowners.	<p>assessors.</p> <ul style="list-style-type: none"> Contractors Building supply industry 		<p>County (Pilot)</p> <p>\$20 to \$40 million (loans) annually.</p>
Multi-Family Retrofit Program	<p>Much of the nation and County's multi-family housing is dated and inefficient compared to current codes. Similarly, older multi-family units that may have the lowest energy performance often have the highest renter ship of low-income members of the community. However, because utility costs are passed onto the consumer, there is little incentive for multi-family complex managers and operators to improve the energy-efficiency of these properties. Similarly tenants can change behaviors but cannot change the characteristics of the facility.</p> <p>Upgrading dated inefficient multi-family properties is essential to reducing community energy consumption, increasing societal equity, and putting more money in the pockets of low-income residents. This sector is large and provides numerous opportunities for job creation.</p>	<ul style="list-style-type: none"> Develop a no/low interest loan program for multi-family housing through HUD or other appropriate agency. Provide a loan funding allocation to local governments. Provide a "rent-lock" as a criteria for the loan. Certify construction and contractor firms to ensure quality construction, consider a "local labor" component as part of certification. 	<ul style="list-style-type: none"> Building management. Energy auditing and assessment. Construction and contractors 	<p>Federal Lead HUD or other agency.</p> <p>Local Lead: HHS, HOC, DEP</p>	<p>Montgomery County Allocation/Pilot</p> <p>\$100 million/loan</p>

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	<p>A multi-family no/lo interest loan program, operated in concert with existing HUD programs would provide an incentive for multi-family owners to improve the quality of the multi-family housing stock increasing long-term property worth. A gateway criteria to the program could be requirement that rents are not increased above community recommended guidelines after the improvements for up to five years, keeping retaining the diversity of the existing community.</p>				
Extend Entrepreneur in Residence Program	<p>The Department of Energy's Entrepreneur in Residence (EIR) Program provides opportunities for innovators and start-ups to use national laboratory resources and connections to create businesses that promote a clean energy future.</p> <p>EIR could be expanded, virtually, to enable competitive programs for entrepreneurs developing green technologies to be placed in communities, technology incubators, and academic institutions across the Country.</p> <p>Montgomery County with a highly educated community is the ideal setting to launch a pilot program in coordination with the University System of Maryland.</p>	<ul style="list-style-type: none"> Develop a EIR program in collaboration with local governments and academic stakeholders. Create a pilot in Montgomery County for four entrepreneurs. 	<ul style="list-style-type: none"> Start-up businesses 	DED/DEP	Montgomery County (Pilot) \$200,000
Municipal Building Retrofit Program	<p>The incoming administration has stated that energy-efficiency retrofits of federal buildings are a high-priority.</p> <p>Local jurisdictions provide an opportunity to leverage and expand upon an initiative for federal facilities.</p> <p>For example, Montgomery County has over 200 municipal facilities. With a combination of grants and long-term low-interest loans the County could make substantial improvements to existing facilities reducing long-term operating costs, increasing infrastructure value, and creating local jobs.</p>	<ul style="list-style-type: none"> Provide a formula grant to local governments to enable improvements to municipal buildings. Develop a zero interest loan program in coordination with the grant. 	<ul style="list-style-type: none"> Architecture and engineering services. Energy service companies (ESCOs) Contractors and Construction 	DGS/County Agencies	<p>Montgomery County Allocation/Pilot</p> <p>\$3 million formula grant.</p> <p>Access to \$100 million in long-term loans.</p>

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	Local government capital budgets for improvements are overtaxed, a one time formula grant to augment capital improvement funding along with loans to address longer-term improvements would lead to extensive modernization of local government facilities.				
"Plug" Hybrid/Electric Vehicle Infrastructure and Loan Program	<p>Transitioning to plug-hybrid/EV technology has the potential to reduce our dependence on foreign oil. The technology to convert existing vehicles is available from aftermarket manufacturers and is under development by domestic and foreign automakers. However, early markets are lacking and infrastructure to ensure recharging/fueling is scarce.</p> <p>Local governments in metropolitan areas offer substantial opportunities to promote plug hybrid vehicles. Opportunities stem from the existence of parking facilities, connection points to mass transit, and high-visibility in the community.</p> <p>Providing incentives to spur the adoption of plug-hybrids or EV vehicles by local governments while simultaneously building recharging points and preferential parking opportunities at County facilities is a prime opportunity to "jump start" this sector. This investment will provide a better operating environment to help domestic automakers recover and foreign automakers with U.S. based operations develop next generation automotive products. the domestic automakers recover or foreign based automakers expand domestic build product lines.</p>	<ul style="list-style-type: none"> Provide an infrastructure grant to local governments to retrofit existing parking facilities with electric vehicle charging infrastructure, may include credit card based on-site payment options. Provide grants to local governments to purchase pilot plug-hybrid and EV vehicles. 	<ul style="list-style-type: none"> Domestic and foreign automotive industry. Local electrical and construction trades. 	DOT/DGS	<p>Montgomery County Allocation/Pilot</p> <p>\$1 million for infrastructure development.</p> <p>\$1 million for local EV/plug hybrid purchases and retrofits.</p>
Stream Water Quality Projects	Stream restoration, maintenance and construction of storm water management facilities, and other water quality improvements	<ul style="list-style-type: none"> Restore 1 mile of Hollywood Branch (Anacostia Watershed) Retrofit SWM ponds in Anacostia Watershed and Silver Spring Additional water quality improvements for 16 acres industrial site in Silver Spring 	<ul style="list-style-type: none"> Contractors and construction Engineers Environmental service companies 	DEP	\$9.8 million

Transportation Economic Stimulus Opportunities

Opportunity	Description	Accelerated Start Date	Duration	Initial Funding Estimate
Transit Projects				
Medical Station/NNMC Underpass	Engineering for Medical Station/NNMU Underpass	Per WMATA		\$32 million
Bike Paths, Bike Signage & Bike Station (Downtown Silver Spring)	Complete bike paths and provide bike path signage in areas where key segments of paths are missing and signage is poor or non-existent. Prioritize new path construction, or path completion in areas where paths are particularly relevant for commuting use, either to urban centers and other employment concentrations, or to bus stops or transit stations. Also prioritize routes where students can use the paths to ride bikes to school. Provide path lighting, signage, and racks/lockers on a similarly prioritized basis. Many of these paths have already been designed and property is either within public control or readily acquired.	2 - 6 months	3-6 months	\$1.2-\$1.3 million
North Bethesda TMD - Pedestrian Improvements Recommended in Walkability Workshops	Implement selected elements contained in recommendations from North Bethesda Walkability Workshops. Recommendations include adding and widening sidewalks, adding crosswalks and improving crosswalk designation/hatching, ensuring ADA accessibility including properly aligned ramps, improving lighting, providing wayfinding signs, adding trees and other landscaped buffers, providing ped impediments in medians to deter jaywalking, creating curb cuts for refuge in medians, extending grid roads to include pedestrian connections/sidewalks, adding pathways to connect neighborhoods.	Some elements could be implemented in 3 - 6 months; others would take longer.	1 - 3 years for completion	\$300,000
White Oak Transit Center	Bus shelters, queing areas, widen sidewalks, pedestrian crossings.	Spring 2009	7 months	\$1.3 million
Veirs Mill Road Rapid Bus Components	Enhanced Shelters - enlarged (lengthier) shelters (for 5 heaviest stops, both directions. 10 equipment sets)	6 months	this is one-time equipment delivery	\$2.5 million
Late evening service	Add 10 more Ride On routes to late evening route structure	8 months	on-going	\$2.7

expansion	connecting jobs to those in need of late/3rd shift employment.		after start	million/year
Bus/Passenger Transit facilities w/operator Washroom	Hillandale	12 - 18 months	18 months	\$2.5 million
Park n' Ride @ CCT sites already owned	Park 'n Ride Lots at: Metro, Grove, Century/Father Hurley/Comsat, Clarksburg	12 months	9 months	\$2.0 million
Park n' Ride @ MCPS site already owned	Democracy / Old Georgetown	12 months	9 months	\$750,000
Rehabilitate/Upgrade Lakeforest Transit Center	Totally renovate and expand the current transit center, with buses stopping on both sides of a widened island, with an operator's rest room added.	12 - 18 months	18 months	\$5.0 million
Germantown Transit Center Parking Garage	Structure @ GIC on North Side of Century Blvd	18 - 24 months	18 months	\$6.0 million
Bike Paths, Bike Signage & Bike Station (Downtown Silver Spring)	Bike Path Signing, Racks & Installation. SEE ATTACHED LIST			
Bike Paths, Bike Signage & Bike Station (Downtown Silver Spring)	Bike Path Construction. SEE ATTACHED LIST + ADDITIONAL ITEMS FROM TRANSPORTATION ENGINEERING			
Bike Paths, Bike Signage & Bike Station (Downtown Silver Spring)	Construct and operate Bike Station planned in conjunction with the new Silver Spring Transit Center. Location is to be in the "jug-handle" park area at the corner of Wayne Ave. and Colesville Road, which is in public sector ownership. Bike Station would provide bike valet and direct parking, repair and maintenance services, and sales of bike equipment. Ultimately showers and lockers are to be provided, but initial phase may not need to include those. Operation by private sector vendor may be possible.		6-12 months	
Forest Glen Underpass	Engineering for Forest Glen Underpass			\$14.7 million
North County Bus Depot	Construction of new bus maintenance depot		26 months	\$72.0 million
Corridor Cities Transitway	Build light rail from Shady Grove to Clarksburg (State Project)	09/01/12	60 months	\$777 million
Purple Line	Build light rail from New Carrollton to Bethesda (State Project)	09/01/12	72 months	\$1.2 billion
Road Projects				
Woodfield Rd Extended	Extend roadway to MD-27	Spring 2009	15 months	\$12.0 million
Father Hurley Blvd Ext	Extend roadway to MD-118	Spring 2009	20 months	\$18.8 million
Shady Grove Bike Path	10' wide bikepath from Shady Grove Rd to WMATA Metro	Spring 2009	9 months	\$1.8 million

Thompson Rd Connection	Connect Rainbow Dr to Thompson Rd	Spring 2009	4 months	\$250,000
MacArthur Blvd Bikepath	From I-495 to Oberlin Rd	Spring 2009	12 months	\$6.7 million
Randolph Road	Safety improvements: Rock Creek to Charles Rd	Spring 2009	15 months	\$1.8 million
Burtonsville Access Rd	Access to businesses along north side of MD-28	Spring 2009	9 months	\$17.0 million
Henderson Ave Storm Drain	Storm Drain & Roadway Improvements	Late Spring 2009	9 months	\$3.0 million
BRAC Bicycle & Pedestrian Facilities	To provide a bikeway network & addition of pedestrian facilities surrounding the National Naval Medical Center in Bethesda, MD due to Base Realignment & Closure (BRAC)	Late Spring 2009	30 months	\$5.5 million
MD 355 @ Randolph Rd	Construct phase 2 of interchange (State Project)	03/01/11	30 months	\$53 million
MD 124	Widen to 6 lanes, MidCounty Highway to Warfield Rd (State Project)	03/01/11	42 months	\$63 million
MD 28	Widen to 4 lanes from Georgia Ave to Layhill Rd (State Project)	03/01/11	36 months	\$95 million
I-270 @ Watkins Mill Rd	Construct grade separated interchange (State Project)	09/01/11	36 months	\$110 million
MD 97	Build bypass around Town of Brookville (State Project)	09/01/11	24 months	\$21 million
MD 97 @ MD-28	Construct grade separated interchange (State Project)	09/01/11	36 months	\$91 million
MD 117	Improve intersections from Seneca Creek Park to I-270 (State Project)	09/01/11	24 months	\$41 million
MD 198	Widen to 4 lanes from Norwood Rd to US 29 (State Project)	09/01/11	48 months	\$165 million
US 29 @ Fairland - Musgrove	Build new interchange (State Project)	09/01/11	36 months	\$68 million
MD 97 @ Randolph Rd	Construct grade separated interchange (State Project)	03/01/12	36 months	\$80 million
I-270 @ New Cut Rd	Build new interchange (State Project)	09/01/12	36 months	\$88 million
Maintenance and Operations				
Resurfacing: Primary/Arterial Rds	Resurfacing existing backlog of pavements in poor and very poor condition.	Ready to go	60 months	\$60.0 million
Rural & Residential Road Rehabilitation	Rehabilitate existing backlog of residential roads that have reached the end of normal service life	Ready to go	60 months	\$50.0 million
Patching	Permanent patching of Primary/Arterial and Rural/Residential Roads	Ready to go	60 months	\$40.0 million
Resurfacing: Rural/Residential Rds	Resurfacing existing backlog of pavements in poor condition	Ready to go	60 months	\$50.0 million
Streetlight Replacement & Installation	Replace aged poles and fixtures in 5 known subdivisions where lighting infrastructure is deficient	Jan-09	6-18 months	\$6.0 million
Traffic Signs	Upgrade 5,000 Warning Signs to High Visibility sheeting (i.e., 3M	Jan-09	18 months	\$1.0 million

	Prismatic)			
Advanced Transportation Mgmt System (ATMS)	Expand ATMS fiber optic communication plant (25 miles)	Jan-09	24 months	\$5.0 million
Efficiency improvements to parking garage interior lighting	Existing interior light fixtures in two PLD parking garages (Garage 60 & 61 in Silver Spring) will be replaced with high efficiency, fluorescent fixtures.	1-Mar-09	6 months	\$500,000
Efficiency improvements to exterior lighting for parking lots and garage roof top lighting	Existing exterior lighting systems for PLD parking lots and for garage roof top lights will be fitted with an energy conserving "dimmer" feature which will reduce power consumption when no motion is detected.	1-Mar-09	6 months	\$250,000
Traffic Signals	Install UPS/BBU at signalized intersections	Mar-09	24 months	\$2.0 million
Dale Dr @ Colesville Rd	Intersection capacity improvements	Spring 2009	13 months	\$2.6 million
East Gude Dr Bridge	Rehabilitate bridge over CSX Railroad	Spring 2009	12-15 months	\$1.5 million
Traffic Signal Detection	Replace malfunctioning traffic signal sensors (60-70 intersections)	Apr-09	9 months	\$750,000
Pavement Markings	Install thermoplastic on 50 miles of multi-lane major roads	Apr-09	18 months	\$1.0 million
Guard Rails	Upgrade end treatments to current safety standard	Apr-09	18 months	\$2.0 million
Greentree Rd Sidewalk	Old Georgetown Rd to Fernwood Rd - North Side	Late Spring 2009	9 months	\$2.5 million
Streetlight Replacement & Installation	Replace aged poles and fixtures in other subdivisions (to be identified) where lighting infrastructure is deficient. Light fixtures to be new/green technology (i.e., LED).			
Streetlight Replacement & Installation	Install new street lights (to include Wisteria Dr, Centerway Rd, Mid-County Hwy, Germantown Rd)			

December 15, 2008

Economic Development Stimulus Package

Opportunity	Description	Actions	Labor Sectors Stimulated	Department/Agency	Initial Funding Estimate
Tier I – Within 180 Days					
Maryland Technology Development Center (MTDC)	60,000 square feet LEED certified expansion of MTDC to include an innovation accelerator for graduates of the Montgomery County Business Innovation Network, as well as commercial office space. A portion the commercial space could house the Montgomery County branch of the new Maryland Bioscience Center	<ul style="list-style-type: none"> Issue RFP for design/build contract for 60,000 square feet, LEED certified addition 	<ul style="list-style-type: none"> Construction trades LEED accredited architects and contractors 	DED	\$12 million
Montgomery College Bioscience Education Center	127,000 square foot academic center featuring state-of-the-art laboratories and facilities on Montgomery College's Germantown campus	<ul style="list-style-type: none"> Issue RFP for facility construction Issue RFP(s) for procurement of lab equipment, furniture and other materials 	<ul style="list-style-type: none"> Construction trades Contractors Equipment/furniture vendors & delivery installation contractors 	Montgomery College	\$3 million
Workforce Development	Expansion of the Montgomery County Conservation Corps in order to pursue public works projects through on-the-job-training	<ul style="list-style-type: none"> Funding to hire and train additional workers for public projects 	<ul style="list-style-type: none"> Construction Landscaping HVAC Electrical 	HHS (Jane Wilde) /DED	\$776,000
Workforce Development	Pre-apprenticeship/apprenticeship program for the building trades to create a pipeline of qualified workers	<ul style="list-style-type: none"> Establish a pre-apprenticeship program and recruit trainees 	<ul style="list-style-type: none"> Construction (Building trades) 	DED/Montgomery College/Casa de Maryland, HOC, local non-profits and private sector	\$516,000
Workforce Development: Incumbent Worker Training	Skills upgrading for employees to backfill vacancies created as a result of promotions	<ul style="list-style-type: none"> Train and upgrade skills of existing workers leading to promotion and then filling entry-level vacancies (in high-growth industries) 	<ul style="list-style-type: none"> Small business Health care/life sciences Advanced technology Sales/retail 	DED	\$275,500
Tier II – Within 360 days					
Workforce Development	Expand the pool of nursing instructors to fill unmet need for nursing educational programs by providing immediate support for two (2) lab instructors and supporting facility build out that could contribute to increasing output of RNs	<ul style="list-style-type: none"> Funding support to incentivize skilled nurses to become instructors 	<ul style="list-style-type: none"> Nursing/healthcare 	DED/Montgomery College/USG/ Columbia Union	\$725,000

Park Department Economic Stimulus Opportunities

Opportunity	Description and Location		Start	Cost Estimate	Labor Sectors Stimulated
Improvements	Red Door Store Park	Water and Sewer Hook up plus Category Change from Category 6 to Category 3	ASAP	\$100,000	Construction Contractors
Improvements	Montgomery Blair HS	Install synthetic turf	FY09	\$1.6 million	Construction Contractors
Infrastructure Renewal	Falls Road LP	Replace playground surface	FY09	\$490,000	Construction Contractors
Infrastructure Renewal	Sligo Cabin Trail Bridges & Playground	Replace 2 bridges & relocate playground.	FY09-10	\$425,000	Construction Contractors
Infrastructure Renewal	Pennyfield Lock	Replace boat ramp	FY09	\$100,000	Construction Contractors
Infrastructure Renewal	Wheaton Adventure Playground	Install new play equipment	FY09-10	\$1.0 million	Playground Equipment Manufacturers
Pollution Prevention	Cabin John MY	Construct vehicle wash and bulk storage and SWM upgrades	FY09-10	\$600,000	Construction Contractors
Improvements	Rock Creek Trail	Pedestrian bridge over Viers Mill Road	FY09-11	\$8.4 million	Construction Contractors
Restoration of Historic Structures	Darby Store Special Park	Stabilize and move the Darby Store	FY 09-10	\$250,000	Preservation Specialists
Infrastructure Renewal	Saddlebrook Headquarters	Replace existing roof	FY09	\$500,000	Construction Contractors
Stream Protection	Waverly-Schuylkill	Stabilize stream bank on Rock Creek tributary	FY09	\$350,000	Construction Contractors
Improvements	Takoma Piney Branch LP	Construction/Rehab	FY09-10	\$3.1 million	Construction Contractors
Improvements	Fairland RP	Install synthetic turf	FY10	\$1.6 Million	Construction Contractors
Improvements	Darnestown Square HP	Construct new park	FY10-11	\$692,000	Professional Design Services; Construction Contractors
Infrastructure Renewal	E. Norbeck	Construction/Rehab	FY 10-11	\$3.4 million	Construction Contractors
Improvements	Cabin John Indoor Tennis	Install air conditioning and interior removations; sidewalk resurfacing	FY10	\$327,000	Mechanical contractors
Improvements	Wheaton Ice Arena	Replace dehumidification system and downspouts/gutters	FY10	\$250,000	Construction Contractors
Improvements	Wheaton In-Line Rink	Replace concrete slab outside rink, fencing, dasher boards, glass, replace roof	FY10	\$417,000	Construction Contractors

Improvements	Germantown Town Center UP	Construct new park	FY10-11	\$5.8 Million	Construction Contractors
Infrastructure Renewal	Norbeck Meadows LP (#B38-01)	Trail Bridge Replacement	FY10	\$350,000	Construction Contractors
Infrastructure Renewal	Valley Mill LP (#L05-05)	Replace Boardwalk	FY10	\$25,000	Construction Contractors
Infrastructure Renewal	Various Sites	Replace 33 playgrounds containing unsafe wood structures	FY10	\$2.5 million	Playground Equipment Manufacturers
Infrastructure Renewal	Cabin John Outdoor Tennis	Outdoor tennis court light replacement and resurfacing	FY10	\$672,000	Construction Contractors
Infrastructure Renewal	Meadowside NC (#M10-01)	Trail Bridge Replacement	FY10	\$50,000	Construction Contractors
Infrastructure Renewal	Meadowside NC (#M10-12)	Replace deck boards & structure components as needed	FY10	\$10,000	Construction Contractors
Infrastructure Renewal	MLK RP Lighting	Replace roadway lights on Jackson Road	FY10	\$737,000	Construction Contractors
Infrastructure Renewal	Various Sites	Replace underground fuel tanks with surface tanks, replace gas pumps, automated fueling system and vehicle lifts	FY10-11	\$1.8 million	Construction Contractors
Pollution Prevention	Little Bennett MY - vehicle wash units	Construct vehicle wash units	FY10	\$200,000	Construction Contractors
Pollution Prevention	Needwood GC	Pond rehab.	FY10	\$200,000	Construction Contractors
Pollution Prevention	Rock Creek MY	Construct covered bins	FY10	\$150,000	Construction Contractors
Restoration of Historic Structures	Circle Manor Special Park	Government consortium project: Parks, Schools, Library, County Exec. And Town of Kensington. Teaching, Library, Office, Town Government, and Conference Space potential. Demolition of nursing home wing required.	FY 10	\$750,000	Professional Design Services
Restoration of Historic Structures	Josiah Henson Site Special Park (Uncle Tom's Cabin)	Design/Build to Museum	FY 10	\$300,000	Construction Contractors
Restoration of Historic Structures	Kensington Cabin, Kensington Cabin Local Park	ADA, updated restrooms and kitchen, rehabilitation plus water line and sewer work.	FY 10-11	\$200,000	Construction Contractors
Restoration of	Norwood Rec. Center,	Upgrade for maximum use, ADA, removal of hazardous	FY 10-11	\$250,000	Construction Contractors

Historic Structures	Norwood Local Park	materials			
Infrastructure Renewal	Parkside Headquarters	Replace existing roof	FY10	\$600,000	Construction Contractors
Stream Protection	Maydale Nature Center	Stream Restoration and vehicle bridge replacement	FY10	\$400,000	Construction Contractors
Stream Protection	Needwood GC	Stream restoration and Weir Removal	FY10	\$200,000	Construction Contractors
Improvements	Woodstock Equestrian Park	Construct outdoor riding rings & eventing course	FY10	\$1.3 million	Construction Contractors
Improvements	Black Hill Boats	Construct rental building	FY11	\$300,000	Construction Contractors
Improvements	Cabin John Ice Rink	Extend downspouts/replace gutters; lighting north and east exterior	FY11	\$63,000	Construction Contractors
Improvements	Cabin John Train	Replace roof, wood paneled walls/exterior wood columns & paint/caulk exterior baseboards, loading area, drinking fountain	FY11	\$33,000	Construction Contractors
Improvements	Lake Needwood Boats	Install sprinkler system flow alarm, drain, and extra heads, replace roof	FY11	\$17,000	Construction Contractors
Improvements	Little Bennett Campground	Repair/renovate bathhouses and systems	FY11	\$22,000	Construction Contractors
Improvements	Lodge at Seneca Creek	Repair wood soffit at damaged locations; repair wood surface of rear deck; replace exterior stucco coating on foundation walls	FY11	\$91,000	Construction Contractors
Improvements	Rockwood Manor	Roof, repoint walls, replace windows, renovate interior, plumbing and fire alarm	FY11	\$172,000	Hazardous Materials Specialists, Construction Contractors, Mechanical Contractors
Improvements	South Germantown RP Miniature GC	Replace damaged brick putting green perimeters/putting green surface; remove second course and construct group area	FY11	\$42,000	Construction Contractors
Improvements	Wheaton Carousel	Replace roof, deteriorated siding, fence, HVAC	FY11	\$23,000	Construction Contractors
Improvements	Wheaton Ice Arena	Mechanical system conditioning, lighting, doors, electrical systems, exterior stairs and sidewalks	FY11	\$51,000	Mechanical contractors
Improvements	Wheaton Indoor Tennis	Replace fire alarm and security system	FY11	\$12,000	Mechanical contractors
Improvements	Wheaton Train	Replace damaged rear exterior doors, reseal wood deck; evaluate sprinkler system; replace water fountain	FY11	\$38,000	Construction Contractors
Improvements	Woodlawn Manor	Evaluate slate roof, build tent pad, HVAC, lighting, alarm system	FY11	\$136,000	Construction Contractors

Infrastructure Renewal	Lake Needwood	Dredge lake, reconstruct weir and forbay	FY11	\$4.1 million	Construction Contractors
Pollution Prevention	Black Hill MY/ Meadowbrook/ South GT	Design vehicle wash units w/ WSSC connections	FY11	\$150,000	Professional Design Services; Construction Contractors
Infrastructure Renewal	Agricultural History Farm Park	Trail Bridge Replacement	FY11	\$100,000	Professional Design Services; Construction Contractors

December 15, 2008

Public K-12 Education Stimulus Package

Opportunity	Description	Results	Labor Sectors Stimulated	Department/Agency	Initial Funding Estimate
School Modernization					
School Modernization	Tear down and replace the existing Carderock Springs Elementary School	New 400 student capacity school	<ul style="list-style-type: none"> Construction trades LEED accredited architects and contractors 	MCPS	\$23.0 million
School Modernization	Tear down and replace the existing Cresthaven Elementary School	New 453 student capacity school	<ul style="list-style-type: none"> Construction trades LEED accredited architects and contractors 	MCPS	\$25.5 million
School Modernization and Expansion	Construct additional classrooms and modernize existing Farmland Elementary School	Modernized and expanded school for 738 students	<ul style="list-style-type: none"> Construction trades LEED accredited architects and contractors 	MSCP	\$21.5 million
School Modernization	Tear down and replace the existing Cabin John Middle School	New 1,053 student capacity school	<ul style="list-style-type: none"> Construction trades LEED accredited architects and contractors 	MCPS	\$44.1 million
Energy Efficiency and Maintenance					
Energy Efficiency Projects - HVAC	<ul style="list-style-type: none"> Replace air handling unit and ventilators at Fox Chapel ES Replace two air handing units at Poolesville ES Replace boiler at Robert Frost MS Replace boiler at Germantown ES Replace rooftop equipment at Strathmore ES Replace chiller at Oakview ES 	Functional, comfortable schools with lower energy costs	<ul style="list-style-type: none"> HVAC trades 	MCPS	\$3.9 million
Roof Replacements	<ul style="list-style-type: none"> Partial roof at Watkins Mill HS Partial roof at Sherwood HS Full roof at Bannockburn ES Full roof at Stone Mill ES Partial roof at Burning Tree ES Skylight system at S. Christa McAuliffe ES Partial roof at Ritchie Park ES Skylight system at Quince Orchard HS 	End leaks and prevent damage to buildings and equipment	<ul style="list-style-type: none"> Roofing contractors/trades 	MCPS	\$6.1 million

December 15, 2008

Project Name	Contract	County	Municipality	Estimated Construction Cost	RTA Date									Bid Date	Award Date	Award Amount	Estimated Construction Completion (Pipe in Ground)	Number of Crews	Estimated Construction Completion (Final Paving Completed)	Constructed												
						FY 07		FY08		FY09		FY10								FY 07		FY08		FY09		FY10		FY11		FY12		
						M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)							M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)			
Kettering	BR3684B03	P	County	\$2,820,000.00	02/03/05									06/01/05		\$1,960,610.00	May-07	1	6/19/2007	2.82	1.692											
Seat Pleasant	BR/CR3820A04	P	City of Seat Pleasant	\$910,250.00	Apr-05									04/18/06	08/18/06	\$910,250.00	9/13/2007	1	10/15/2007	0.48	0.288	0.56	0.490									
Marlon	BR/CR3713C03	P	County	\$1,440,000.00	05/11/05									07/12/05		\$1,246,910.00	Oct-06	1	11/8/2006	1.44	0.864											
Berwyn Heights	BR/CR4137B05	P	City of Berwyn Heights	\$539,557.00	Mar-06									05/31/06	08/10/06	\$960,295.00	7/26/2007	1	8/27/2007	0.77	0.462	0.18	0.182									
Temple Hill	BR4315A06	P	County	\$250,000.00	03/15/06									05/16/06		\$471,675.00	Nov-06	1	12/9/2006	0.25	0.150											
Colesville	BR3849B04	M	County	\$1,280,000.00		1.28	0.192							07/25/06	10/23/06	\$0.00	Aug-07	1	9/2/2007	0.87	0.522	0.41	0.410									
Bethesda (JOC)	BR4370A06	M	Chevy Chase Terrace (Bethesda)	\$1,490,872	Aug-06	0.80	0.120							04/15/07	04/15/07	\$0.00	Apr-08	1	5/3/2008	0.60	0.360	0.20	0.373									
Goodluck Estates	BR/CR3763B03	P	City of New Carrollton	\$323,000	Sep-06	0.36	0.054								Mar-07	\$539,557.00	Sep-07	1	11/1/2007	0.19	0.114	0.17	0.255									
Sheriff Road	BR1147A94	P	County	\$760,000	Sep-06	0.76	0.114								02/26/07	\$1,692,425.00	Mar-08	1	4/17/2008	0.33	0.198	0.43	0.958									
Glenmont	BR/CR4373A06	M	County	\$1,030,000	Sep-06	1.08	0.162							01/03/07	03/21/07	\$998,235.00	Apr-08	1	5/3/2008		0.000	1.14	0.998									
Chevy Chase II	BR4372A06	M	County	\$1,280,000	Sep-06	1.62	0.243							01/17/07	06/20/07	\$1,474,490.00	Nov-08	1	12/28/2008			0.87	0.792	0.75	0.68							
Chillum (JOC)	BR/CR4238A05	P	County	\$1,100,000	Oct-06	0.92	0.138							03/19/07	03/19/07	\$1,099,863.07	Aug-07	1	9/8/2007	0.61	0.366	0.31	0.371									
Takoma Park XI	BR/CR4395A06	M	City of Takoma Park	\$1,030,000	Oct-06	1.16	0.174							01/30/07	04/18/07	\$1,049,650.00	Apr-09	1	5/3/2009			0.44	0.398	0.72	0.65							
Chevy Chase I	BR/CR4371A06	M	Town of Chevy Chase	\$840,000	Oct-06	0.94	0.141							3/18/08 (Re-bid)	06/20/07		Oct-08	1	11/2/2008					0.94	0.84							
The Points	BR4390A06	P	County	\$630,000	Nov-06	0.93	0.140							03/09/07	03/9/07	\$488,500.00	07/24/07	1	8/25/2007	0.93	0.558	0.00										
Fort Washington I (JOC)	BR4386B06	P	County	\$550,000	Nov-06	0.54	0.081							03/15/07	03/15/07		Jun-07	1	8/1/2007		0.000	0.50	0.550									
Fort Washington II	BR4386C06	P	County	\$1,250,000	Dec-06	1.40	0.210							05/15/07	07/18/07	\$1,150,855.00	Aug-08	1	9/9/2008			1.56	1.151									
Takoma Park XII	BR/CR4395B06	M	City of Takoma Park	\$1,240,000	Jan-07	1.41	0.212							05/15/07	07/18/07	\$1,169,191.00	Oct-08	1	11/16/2008			0.95	0.788	0.46	0.38							
Hyattsville XIV	BR4065A05	P	City of Hyattsville	\$1,010,000	Jan-07	1.13	0.170							05/22/07	07/18/07	\$826,927.00	Oct-08	1	11/2/2008			0.38	0.278	0.75	0.55							
Bethesda (BID)	BR4370B06	M	Chevy Chase Terrace (Bethesda)	\$219,000	Mar-07	0.23	0.035							07/10/07	Jul-07	\$162,025.00	Apr-08	1	5/10/2008			0.18	0.162									
Hyattsville XV	BR4065B05	P	City of Hyattsville	\$1,400,000	May-07	1.57	0.236							07/17/07	Sep-07	\$1,730,850.00	Jun-09	1	7/3/2009			0.43	0.474	1.14	1.26							
Temple Hill II	BR4315B06	P	County	\$1,500,000	May-07	1.96	0.294							06/19/07	Sep-07	\$1,471,250.00	Jun-09	1	7/3/2009			0.85	0.638	1.11	0.83							
Hillcrest I	(BR4553A8B07)	P	County	\$1,820,000	Jun-07	2.04	0.306							02/12/08	5/29/08	\$1,684,273.00	Jun-09	2	7/3/2009					2.04	1.68							
Hillcrest II	BR4553C07																															
Silver Spring I	(BR4271A8B06)	M	County	\$1,140,000	Jun-07	1.14	0.171							02/05/08	5/2/08	\$926,465.00	May-09	1	6/2/2009			0.15	0.122	0.99	0.80							
Silver Spring II	BR4271F05																															
Landover HG355	BL4089A05	P	County	\$270,000	Jun-07	0.22	0.033							08/21/07	Sep-07		Nov-07	1	12/3/2007													
Fort Washington IV	BR4386E06	P	County	\$399,000	Jun-07	0.42	0.063							08/18/07	Nov-07	\$292,680.00	Jun-08	1	7/3/2008			0.47	0.293									
Takoma Park XIII	(BR4395C4D06)	M	City of Takoma Park	\$1,380,000	Jun-07	1.36	0.204							08/07/07	12/21/07	\$2,500,200.00	Jun-09	1	7/3/2009			0.26	0.478	1.1	2.02							
Takoma Park XIV	BR/CR4395E06																															
Boyle 11th st.	BR4622A07	P	State	\$700,000	Jun-07	0.68	0.102							09/11/07	Nov-07	\$611,438.00	Jul-08	1	8/2/2008			0.67	0.611									
Fort Washington III	BR4386D06	P	County	\$1,200,000	Jun-07	1.17	0.176							09/25/07	Nov-07	\$742,545.00	Aug-09	1	9/10/2009			0.92	0.584	0.25	0.16							
Palmer Park II	BR/CR4313B06	P	County	\$1,970,000	Jun-07	1.90	0.285							08/07/07	Dec-07	\$1,470,450.00	Oct-09	1	11/2/2009			0.36	0.279	1.06	0.82	0.48	0.37					

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						FY 07		FY08		FY09		FY10								FY 07		FY08		FY09		FY10		FY11		FY12		
						M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)							M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	
Forest Estates II Forest Estates III	[BR3082B&C01] BR3082C01	M	County	\$1,750,000	Jun-07	1.76	0.264							08/07/07	Dec-07	\$1,872,189.97	Nov-08	1	12/3/2008			0.42	0.447	1.34	1.43							
Regent Park I	BR/CR4543A07	M	County	\$1,950,000	Jun-07	2.33	0.350							08/14/07	Dec-07	\$1,837,021.00	Jul-09	1	8/2/2009			1.12	0.787	1.06	0.74	0.15	0.11					
Forest Estates IV Forest Estates V Forest Estates VI	[BR3082D,E,F01] BR3082F01	M	County	\$2,230,000	Jun-07	2.32	0.348							08/14/07	Dec-07	\$2,046,884.76	May-10	1	6/2/2010			0.37	0.326	1.05	0.93	0.90	0.79					
Gwynn Park	BR3704A03	P	County	\$725,300	Jun-07	0.86	0.129							10/30/07	Dec-07	\$635,768.00	Aug-08	1	9/9/2008			0.66	0.636									
Stoneybrook Estates III	BR/CR4058C05	M	County	\$1,600,000	Jun-07	2.21	0.332							08/14/07	Dec-07	\$1,455,790.00	Aug-09	1	9/2/2009			0.93	0.613	1.06	0.70	0.22	0.14					
Regent Park II	BR/CR4543B07	M	County	\$1,650,000	Jun-07	1.65	0.248							08/07/07	Dec-07	\$1,545,035.00	Nov-08	1	12/3/2008			0.53	0.496	1.12	1.05							
Stoneybrook Estates I & II	(BR/CR4058A&B05) BR/CR4058D05	M	County	\$2,330,000	Jun-07	2.31	0.347							09/11/07	Dec-07	\$1,699,760.00	Jul-09	1	8/2/2009			1.24	0.912	1.07	0.79							
Palmer Park I	BR4313A06	P	County	\$2,030,000	Jun-07	2.03	0.305							09/18/07	Dec-07	\$1,674,255.00	Nov-09	1	12/3/2009			0.29	0.239	1.06	0.87	0.68	0.56					
Massachusetts Ave.	BR4702B07 (Old BR4702A07)	M	State	\$2,800,000	Nov-07			1.20	0.180					02/12/08	5/29/08	\$2,217,230.00	Jul-09	1	8/2/2009					1.05	1.94	0.15	0.28					
Silver Spring IV	BR4271D05	M	County	\$670,000	4/14/08			0.67	0.101					5/22/08	7/7/08	\$599,265.00	Nov-08	1	12/3/2008					0.67	0.60							
Silver Spring III	BR4271C05	M	County	\$600,000	Dec-07			0.60	0.090					03/18/08	6/11/08	\$1,256,740.00	Oct-08	1	11/2/2008					0.6	1.26							
Gaithersburg I	BR4701B07	M	City of Gaithersburg	\$610,000	Jan-08			0.61	0.092					4/15/08	6/6/08	\$518,211.00	Oct-08	2	11/2/2008					0.61	0.52							
Wheaton Hills	BR4726A07	M	County	\$1,330,000	Feb-08			1.33	0.200					4/22/08	6/18/08	\$1,064,750.00	Jun-09	2	7/3/2009					1.33	1.06							
Forest Estate I	BR/CR3082A01	M	County	\$1,190,000	Feb-08			1.19	0.179					4/29/08	6/18/08	\$987,550.00	Sep-09	1	10/3/2009					0.92	0.76	0.27	0.22					
Kemp Mill Estate	BR/CR4721A07	M	County	\$860,000	Feb-08			0.86	0.129					5/8/08	7/16/08	\$760,280.75	May-09	1	6/2/2009					0.86	0.76							
Oxon Hill I	BR/CR4720A07	P	County	\$1,930,000	Feb-08			1.93	0.290					4/29/08	6/18/08	\$1,975,855.00	May-09	2	6/2/2009					1.93	1.98							
Takoma Park XV	BR/CR4395F06	M	City of Takoma Park	\$340,000	Mar-08			0.34	0.051					5/13/08	7/25/08	\$435,590.00	Oct-08	1	11/10/2008					0.34	0.44							
Silver Spring V	BR4271E05	M	County	\$760,000	6/3/08			0.76	0.114					7/15/08	Nov-08	\$2,076,449.00	Aug-09	1	9/2/2009					0.45	1.23	0.31	0.85					
Laurel III	BR/CR4772C08	P	City of Laurel	\$1,030,000	6/9/08			1.03	0.155					8/12/08	Nov-08	\$993,515.00	June-09	2	7/3/2009					1.03	0.99							
Laurel II	BR/CR4772B08	P	City of Laurel	\$1,350,000	6/9/08			1.35	0.203					8/12/08	Oct-08	\$744,742.00	May-10	1	6/2/2010					0.46	0.25	0.89	0.49					
Laurel I	BR4772A08	P	City of Laurel	\$1,520,000	6/9/08			1.52	0.228					8/12/08	Oct-08	\$1,541,345.00	August-09	2	9/2/2009					0.90	0.91	0.62	0.63					
University Park I	BR/CR4764A08	P	Town of University Park	\$1,810,000	Dec-08			1.81	0.272						May-09			May-10	2	6/2/2010							1.81	1.81				
University Park III	BR4764C08	P	City of College Park	\$1,590,000	Dec-08			1.59	0.239						May-09			August-10	1	9/2/2010							1.05	1.05	0.54	0.54		
Silver Spring VI	BR4271G05	M	County	\$970,000	Dec-08			0.97	0.146						May-09			Jun-10	1	7/3/2010							0.97	0.97				
Silver Spring VII	BR4271H05	M	County	\$1,030,000	Dec-08			1.03	0.155						May-09			Jun-10	1	7/3/2010							1.03	1.03				
Aspen Hill Park	BR/CR4059A05	M	County	\$1,830,000	Dec-08			1.83	0.275						May-09			Apr-11	1	5/3/2011							1.07	1.07	0.76	0.76		

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						FY 07		FY08		FY09		FY10								FY 07		FY08		FY09		FY10		FY11		FY12				
						M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)							M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)	M i l l e a g e	C o s t (\$ M)			
Oxen Hill II	BR4720B07	P	County	\$1,440,000	Dec-08			1.44	0.216						May-09			April-11	2	5/3/2011							1.44	1.44						
Oxen Hill III Oxen Hill IV Oxen Hill V	(BR4720C,D&E07) BR4720F07	P	County	\$3,770,000	Dec-08			3.77	0.566						May-09			May-11	2	6/2/2011							2.00	2.00	1.77	1.77				
University Park II and University Park States Roads	(BR/CR4764B06 and BR4767A06) BR4767B06	P	Town of University Park	\$1,300,000	Jan-09			1.30	0.195						Jun-09			September-10	1	10/3/2010							0.90	0.90	0.40	0.40				
Baltimore Ave (Route 1 Hyattsville)	BR/CR4724A07	P	State	\$1,080,000	N/A			1.08	0.162						N/A	N/A				N/A			0.00		0.00									
New Hampshire Ave	BR4775A08	P	State	\$310,000	N/A			0.31	0.047						N/A	N/A				N/A			0.00		0.00									
Georgia Avenue I (SHA project)	BR4802A08	M	State	\$1,310,000	N/A			1.31	0.197						N/A	N/A				N/A			0.00		0.00									
College Park Woods (University of Maryland)	BR/CR4760A08	P	City of College Park	\$1,700,000	Jan-09			1.70	0.255						Jun-09			November-10	1	12/3/2010							1.10	1.10	0.60	0.60				
Bethesda I Hillandale Kemp Mill Farms II Kemp Mill Farms I Montclair Manor White Oak	(BR4768A08, BR4762A08, BR4722B07, BR4722A07, BR4752A08, BR/CR4763A08) BR/CR4762B08	M	County	\$6,040,000	Jan-09			6.04	1.206						Jun-09			Nov-11	3	12/3/2011							3.15	3.15	3.15	3.15	1.74	1.74		
Greenbelt I	BR4761A08	P	City of Greenbelt	\$850,000	Dec-08			0.85	0.128						May-09			May-10	1								0.85	0.85						
Greenbelt II, Greenbelt III, Greenbelt IV	(BR4761B, C, D08) BR4761E08	P	City of Greenbelt	\$4,200,000	Jan-09			4.20	0.630						Jun-09			June-11	2								1.95	1.95	2.25	2.25				
Montgomery Village I	BR/CR4728A07	M	County	\$490,000	Apr-09			0.49	0.074						Jun-09			Nov-09	1	12/3/2009							0.49	0.49						
FY'09 Projects																																		
Chevy Chase III	BR4874A08	M	County & Chevy Chase	\$2,140,000.00	May-09					2.14	0.321				Oct-09			November-11	1	12/3/2011							0.45	0.45	1.05	1.05	0.64	0.64		
Four Corners I	BR4875A08	M	County	\$1,590,000.00	May-09					1.59	0.239				Oct-09			June-11	1	7/3/2011							0.5	0.50	1.09	1.09				
Chillum III & IV	BR4877A08	P	County	\$3,410,000.00	May-09					3.41	0.512				Oct-09			June-11	2	7/3/2011							1.00	1.00	2.410	2.41				
College Park North	BR4764D08	P	College Park	\$2,880,000.00	May-09					2.88	0.432				Oct-09			May-13	1	6/2/2013							0.45	0.51	1.05	1.19	1.05	1.19		
Hillcrest III & IV	BR4878A08	P	County	\$4,890,000.00	May-09					4.89	0.734				Oct-09			June-12	2	7/3/2012							0.90	0.90	2.10	2.10	1.89	1.89		
Langley Park	BR4879A08	P	County	\$2,360,000.00	May-09					2.36	0.354				Oct-09			May-12	1	6/2/2012							0.45	0.45	1.05	1.05	0.86	0.86		
Riverdale I & II	BR4889A08	P	County & Riverdale Park	\$3,660,000.00	July-09					3.66	0.549				Dec-09			September-11	2	10/3/2011							0.90	0.90	2.10	2.10	0.66	0.66		
New Carrollton I	BR4890A08	P	County & New Carrollton	\$2,280,000.00	July-09					2.28	0.342				Dec-09			April-12	1	5/3/2012							0.45	0.45	1.05	1.05	0.78	0.78		
Tantallon I	BR4891A08	P	County	\$2,060,000.00	July-09					2.06	0.249				Dec-09			October-11	1	11/2/2011							0.45	0.45	1.05	1.05	0.56	0.56		
Glenn Dale I	BR4892A08	P	County	\$710,000.00	July-09					0.71	0.107				Dec-09			August-10	1	9/2/2010							0.45	0.45	0.26	0.26				
Morningside I & II	BR4893A08	P	County & Morningside	\$2,650,000.00	Sep-09					2.65	0.503				Feb-10			June-12	1	7/3/2012							0.45	0.45	1.1	1.10	1.1	1.10		
Twinbrook Forest Rock Creek Manor	(BR4876A&B08) BR4876C08	M	Rockville & County	\$3,940,000.00	Sep-09					3.94	0.59				Feb-10			October-11	2	11/2/2011							0.90	0.90	2.10	2.10	0.94	0.94		

Project Name	Contract	County	Municipality	Estimated Construction Cost	RTA Date									Bid Date	Award Date	Award Amount	Estimated Construction Completion (Pipe in Ground)	Number of Crews	Estimated Construction Completion (Final Paving Completed)	Constructed												
						FY 07		FY08		FY09		FY10								FY 07		FY08		FY09		FY10		FY11		FY12		
						M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)							M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)	M i l l i o n g e	C o s t (\$ M)	
Glenmont II	BR4373B06	M	County	\$2,090,000.00	Nov-09					2.09	0.330				Apr-10		June-12	1	7/3/2012										1.05	1.05	1.04	1.04
Chilsum V	BR4877D08	P	County	\$2,340,000.00	Nov-09					2.34	0.351				Apr-10		June-12		7/3/2012										1.14	1.14	1.2	1.20
Chestnut Hills	BR4939A09	P	County	\$1,510,000.00	Mar-09					1.51	0.227				Aug-09		August-11	1	9/2/2011						0.15	0.15	1.05	1.05	0.31	0.31		
Bethesda North		M	County	\$3,140,000.00	Jan-10					3.14	0.471				Jun-10		June-13	1	7/3/2013										1.05	1.57	1.05	1.57
Rock Creek Forest		M	County	\$3,070,000.00	Jan-10					3.07	0.461				Jun-10		June-13	1	7/3/2013										1.05	1.54	1.05	1.54
Redland Estates		M	County	\$1,470,000.00	Jan-10					1.47	0.221				Jun-10		September-11	1	10/3/2011										1.05	1.05	0.42	0.42
Rollingwood		M	County	\$1,810,000.00	Jan-10					1.81	0.242				Jun-10		October-11	1	11/2/2011										1.05	1.05	0.56	0.56
Bradley Hills		M	County	\$2,590,000.00	Feb-10					2.59	0.389				Jul-10		May-13	1	6/2/2013										0.75	1.08	1.05	1.51
8000 block Sligo Creek Parkway	BR4915A08	M	M-NCPPG	\$250,000.00	Jan-09					0.25	0.038				Apr-09		July-09	1	8/2/2009					0.15	0.15	0.10	0.10					
Oak Dive	BR4920A08	P	County	\$100,000.00	08/04/08					0.10	0.015			09/23/08	Nov-09	\$71,100.00	Apr-10	1	5/3/2010							0.10	0.07					
Fairland Farms	BR4948A09	M	County	\$830,000.00	Mar-09					0.83	0.125				Aug-09		July-10	1	8/2/2010							0.63	0.630	0.2	0.200			
Piney Branch Road	BR4944A09	M	State	\$1,100,000.00	Jun-09					1.10	0.165				Nov-09		October-10	1	11/2/2010							0.45	0.450	0.65	0.650			
Peach Orchard Heights		M	County	\$680,000.00	Apr-09					0.68	0.102				Jul-09		August-10	1	9/2/2010							0.34	0.340	0.34	0.340			
Newport Avenue	BR4962A09	M	County	\$680,000.00	Apr-09					0.68	0.102				Jul-09		August-10	1	9/3/2010							0.34	0.340	0.34	0.340			
Total				\$144,986,979		42.49	6.37	45.11	6.77	54.03	8.17	0.09	0.00							9.29	5.57	18.15	16.09	30.37	30.04	31.94	31.74	35.60	37.07	16.90	18.50	

Sewer Main Rehabilitation Program - FY 07 - 11 Projects

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								FY08	FY09	FY10	FY11		FY 05 & FY 06	FY 07	FY 08	FY 09	FY 10					FY 07	FY 08	FY 09	FY 10	FY 11		
Laterals																												
Site SHC Renewal - Annual Effort		M&P			Various																		0.50	0.50	0.50	0.50		All
Area SHC Renewal - Annual Effort		M&P			Various																	0.30	0.30	0.30	0.30		All	
Mont. County - Lateral Lining Renewal	CJ3687A07	M	Lyttonville	1	Various	\$ 3,977.07	\$ 3,168,910.00	\$ 1,500,000.00	\$ 1,568,910.00			June-07		0.40				July-07	October-07	\$ 2,522,400.00	October-08			0.10	0.30		3	
Laterals	CJ3687A07													1.90									0.50	1.45				
PG County - Lateral Lining Renewal	CJ3688A07	P	Anacostia	1	Various	\$ 5,743.98	\$ 3,832,410.00	\$ 253,824.20	\$ 3,578,585.80			June-07		0.34				June-07	October-07	\$ 3,792,205.00	October-08			0.10	0.24		1, 7	
Laterals	CJ3688A07													2.46									1.23	1.23				
Mains																												
Emergency Contracting - Annual Effort		M&P			Various																		1.73	1.73	1.73	1.73	1.73	All
Mont. County - Site Specific Lining	CJ3790A04	M	Gaithersburg	1	Various	\$ 535,359.28	\$ 951,670.00	\$ 691,373.50	\$ 260,296.50			May-06	2.46					October 3, 2006	February 26, 2007	\$ 1,169,905.00	March 8, 2008			0.00	2.46		1, 2, 3, 4	
Laterals	CJ3790A04												0.23										0.23					
Mont. County - Area Lining	CJ3900A04	M	Lyttonville	1	Various	\$ 275,399.01	\$ 1,864,660.00	\$ 929,269.00	\$ 935,391.00			May-06	4.73					October 3, 2006	January 31, 2007	\$ 1,963,196.00	May 3, 2008			0.72	4.61		3	
Laterals	CJ3900A04												0.14											0.14				
PG County - Area Lining	CJ4235A05	P	Anacostia	1	Various	\$ 230,260.75	\$ 1,864,666.00	\$ 633,033.10	\$ 1,231,632.90			May-06	4.74					October 3, 2006	February 8, 2007	\$ 1,985,379.00	February 19, 2008			3.03	0.61		1, 7	
Laterals	CJ4235A05												0.14											0.14				
PG County - Site Specific Lining	CJ4235A05	P	Temple Hill	1	Various	\$ 127,300.59	\$ 536,130.00	\$ 304,960.10	\$ 231,169.90			May-06	0.97					October 3, 2006	December 22, 2006	\$ 556,555.00	September 3, 2007			1.00			7	
Laterals	CJ4235A05												0.14										0.14					
Mont County - JOC Pipe Bursting	CJ3916A04	M	Lyttonville	1	Various	\$ 318,411.25	\$ 1,200,000.00	\$ 1,200,000.00				JOC Task Order		0.90				N/A	August-07	TBD	August-08			0.70	0.20		1, 5	
Laterals	CJ3916A04												0.30										0.10	0.20				
PG County - JOC Pipe Bursting	CJ4006A06	P	Anacostia	1	Various	\$ 22,934.74	\$ 1,500,000.00	\$ 1,693,536.21				JOC Task Order		1.30				N/A	May-07	TBD	May-08			1.00	0.30		4-M, 1, 5, 6, 8, 9	
Laterals	CJ4006A06												0.40										0.10	0.30				
Rock Creek(AV) - Lining - Mont. County Ride	CJ4051A07	M	Lyttonville	1	Various	\$ 47,254.56	\$ 508,825.00	\$ 425,596.00				June-07		0.60					July-07	\$ 645,050.00	January-08			0.60			3	
Laterals	CJ4051A07												0.01										0.01					
Turkey Branch Phase I - Lining - Mont. County Ride	CJ4055A07	M	Lyttonville	1	Various	\$ 14,243.55	\$ 648,475.00	\$ 494,285.00				June-07		0.56					July-07	\$ 541,572.00	February-08			0.56			3	
Laterals	CJ4055A07												0.11										0.11					
Turkey Branch Phase II - Lining - Mont. County Ride	CJ4059A07	M	Gaithersburg	1	Various	\$ 12,931.42	\$ 390,325.00	\$ 494,285.00				June-07		0.33					July-07	\$ 493,840.00	February-08			0.33			3	
Laterals	CJ4059A07												0.01										0.01					
Turkey Branch Phase III - Lining - Mont. County Ride	CJ4059A07	M	Gaithersburg	1	Various	\$ 11,470.57	\$ 450,745.00	\$ 374,225.00				June-07		0.26					July-07	\$ 577,750.00	February-08			0.26			3	
Laterals	CJ4059A07												0.05										0.05					
Northeast Branch - Lining (240 days)	CJ4397A07	P	Anacostia	2	Various	\$ 31,902.30	\$ 6,577,160.00	\$ 6,577,160.00				May-08		5.20				09/30/08	December-08	TBD	September-09			3.25	1.95		1	
Laterals	CJ4397A07													2.56										1.60	0.96			
Rock Creek - Lining (210 days)	CJ4821A08	M	Lyttonville	2	Various	\$ 20,401.26	\$ 4,931,150.00	\$ 4,931,150.00				March-08		4.40				10/07/08	December-08	TBD	August-09			3.14	1.26		3	
Laterals	CJ4821A08													1.77										1.26	0.51			

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Project Name	Contract (Job Number)	County	SIG Zone	Estimated Crew	Municipality	Estimated Design Cost	Engineer's Estimate	Estimated Costs				RTA Date	Miles Designed					Bid Date	Award Date	Award Amount	Estimated Construction Completion (Sewer Rehab in Place)	Miles Constructed					Council District
								FY08	FY09	FY10	FY11		FY 05 & FY 06	FY 07	FY 08	FY 09	FY 10					FY 07	FY 08	FY 09	FY 10	FY 11	
Rock Creek - External Point Repairs	TBD	M	Lyttonsville	2	Various	TBD	TBD					June-08			0.65			TBD	November-08	TBD	2/30/2009			0.65			3
Northwest Branch - Lining Prince George's (formerly Grouting) PG Mr. Rainier Area (210 days)	C14900A08	M	Anacostia	2	Various	\$ 78,115.12	\$ 3,126,430.00	\$ 3,126,430.00				June-08			2.40			10/07/08	December-08	TBD	August-09			1.71	0.69		4
Laterals	C14900A08														1.54									1.10	0.44		
Northwest Branch - Lining Montgomery (formerly Grouting) Kemp Mill Farm Area (210 days)	C14909A08	M	Lyttonsville	1	Various	\$ 20,309.93	\$ 1,650,350.00	\$ 1,650,350.00				June-08			1.50			08/26/08	October-08	TBD	June-09			1.50			4
Laterals	C14909A08														0.72									0.72			
Northwest Branch - Lining MC Burnt Mills Hills Area (210 days)	C14908A08	M	Lyttonsville	2	Various	\$ 121,360.26	\$ 2,243,575.00	\$ 2,246,575.00				June-08			2.20			9/30/08	December-08	TBD	August-09			1.57	0.63		4
Laterals	C14908A08														0.97									0.69	0.28		
Broad Creek - Lining (some formerly Grouting) (63 manholes) (240 days)	C14841A08	P	Temple Hill	2	Various	\$ 6,661.50	\$ 6,103,125.00	\$ 6,103,125.00				May-08			5.10			9/30/08	December-08	TBD	September-09			3.19	1.91		8
Laterals	C14841A08														2.15									1.34	0.81		
Broad Creek R/W - Lining (49 manholes)	TBD	P	Temple Hill	2	Various	TBD	TBD					November-08			8.20			TBD	August-09	TBD	March-10				8.20		8
Laterals	TBD														0.90										0.90		
Mont. County - Pipe Bursting	C14652A07	M	Lyttonsville	1	Various	\$ 8,602.48	\$ 1,791,160.00					February-08			1.10			March-09	Bid Amount \$1,968,235	March-10		0.00		1.10		1, 3, 4, 5	
Laterals	C14652A07														0.60									0.60			
Oxon Run/Lower Anacostia - Lining (formerly Grouting) (210 days)	C14951A08	P	Temple Hill	2	Various	\$ 166,761.55	\$ 12,970,522.00	\$ 12,970,522.00				March-08			12.13			9/30/08	December-08	TBD	August-09			8.66	3.47	2, 5, 7, 8	
Laterals	C14951A08														5.40									3.86	1.54		
Paint Branch Lining (210 days)	C14905A08	M	Lyttonsville	2	Various	\$ 19,585.61	\$ 1,469,570.00	\$ 1,469,570.00				May-08			1.20			10/7/08	December-08	TBD	August-09			0.86	0.34	4, 5, 1	
Laterals	C14905A08														0.47									0.34	0.13		
Booze Creek (Ride County Stream Permit) No Laterals	C14796A08	M	Lyttonsville	1	Various	\$ 5,163.38	\$ 485,000.00	\$ 400,000.00	\$ 85,000.00			October-08			0.49				Jan-09	TBD	March-09			0.49			4, 5, 1
Northwest Branch - Lining Montgomery Quaint Acres Area (formerly Grouting) (210 days)	C14923A08	M	Lyttonsville	1	Various	TBD	\$ 2,007,850.00	\$ 2,007,850.00				June-08			2.60			9/30/08	December-08	TBD	August-09			1.86	0.74		4
Laterals	C14923A08														0.70									0.50	0.20		
Northwest Branch - Lining Montgomery (formerly Grouting) University Park Area (210 days)	C14924A08	M	Lyttonsville	1	Various	TBD	\$ 3,000,050.00	\$ 3,000,050.00				June-08			2.40			08/26/08	December-08	TBD	August-09			1.71	0.69		4
Laterals	C14924A08														1.40									1.00	0.40		
Northwest Branch - Lining MC	C14523A06	M	Lyttonsville	1	Various	TBD	\$ 1,208,150.00	\$ 1,208,150.00				September-08				0.98		March-09	June-09	TBD	March-10				0.98		4
Laterals	C14523A06														0.49										0.49		
Northwest Branch - Lining MC New Hampshire Estates	C14925A08	M	Lyttonsville	1	Various	TBD	\$ 1,414,425.00	\$ 1,414,425.00				September-08				0.83		March-09	June-09	TBD	March-10				0.83		4
Laterals	C14925A08														0.62										0.62		
Northwest Branch - Lining MC Knobwood and Area	C14925B08	M	Lyttonsville	1	Various	TBD	\$ 1,248,625.00	\$ 1,248,625.00				September-08				1.12		March-09	June-09	TBD	March-10				1.12		

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								FY08	FY09	FY10	FY11		FY 05 & FY 06	FY 07	FY 08	FY 09	FY 10					FY 07	FY 08	FY 09	FY 10	FY 11	
Laterals	CI4925B08															0.51									0.51		
Northwest Branch - Lining MC Burnt Mills Village and Area	CI4925C08	M	Lyttensville	1	Various	TBD	\$ 1,000,000.00			\$ 1,000,000.00		October-08				1.00		4/31/2009	July-09	TBD	April-10				1.00		4
Northwest Branch - Lining MC Northwood and Area	CI4925D08	M	Lyttensville	1	Various	TBD	\$ 1,000,000.00			\$ 1,000,000.00		October-08				1.00		4/31/2009	July-09	TBD	April-10				1.00		4
Northwest Branch - Lining MC Oakwood and Area	CI4925E08	M	Lyttensville	1	Various	TBD	\$ 1,130,100.00			\$ 1,130,100.00		September-08				1.00		March-09	June-09	TBD	March-10				1.00		4
Laterals	CI4925F08															0.45									0.45		
Northwest Branch - Lining MC East Springbrook and Area	CI4925F08	M	Lyttensville	1	Various	TBD	\$ 1,060,025.00			\$ 1,060,025.00		September-08				0.80		March-09	June-09	TBD	March-10				0.80		4
Laterals	CI4925G08															0.41									0.41		
Northwest Branch - Lining MC Burnt Mills Hills part II and Area	CI4925G08	M	Lyttensville	1	Various	TBD	\$ 467,550.00			\$ 467,550.00		September-08				0.45		March-09	June-09	TBD	March-10				0.45		4
Laterals	CI4925H08															0.13									0.13		
Northwest Branch - Lining MC Burnt Mills and Area	CI4925H08	M	Lyttensville	1	Various	TBD	\$ 624,175.00			\$ 624,175.00		September-08				0.51		March-09	June-09	TBD	March-10				0.51		4
Laterals	CI4925I08															0.19									0.19		
Northwest Branch - Lining MC Kemp Mill East, And Area	CI4925I08	M	Lyttensville	1	Various	TBD	\$ 1,140,225.00			\$ 1,140,225.00		September-08				0.98		March-09	June-09	TBD	March-10				0.98		4
Laterals	CI4925J08															0.42									0.42		
Northwest Branch - Lining MC Quaint Acres part II and Area	CI4925K08	M	Lyttensville	1	Various	TBD	\$ 679,525.00			\$ 679,525.00		September-08				1.00		March-09	June-09	TBD	March-10				1.00		4
Laterals	CI4925L08															0.15									0.15		
Northwest Branch - Lining MC North Springbrook and Area	CI4925L08	M	Lyttensville	1	Various	TBD	\$ 811,975.00			\$ 811,975.00		September-08				1.11		March-09	June-09	TBD	March-10				1.11		4
Laterals	CI4925M08															0.22									0.22		
Northwest Branch - Lining MC Colesville and Area	CI4925M08	M	Lyttensville	1	Various	TBD	\$ 1,158,625.00			\$ 1,158,625.00		September-08				1.15		March-09	June-09	TBD	March-10				1.15		4
Laterals	CI4925N08															0.42									0.42		
Northwest Branch - Lining MC Glenmont and Area	CI4925N08	M	Lyttensville	1	Various	TBD	\$ 1,070,000.00			\$ 1,070,000.00		September-08				1.24		March-09	June-09	TBD	March-10				1.24		4
Laterals	CI4925O08															0.36									0.36		
Northwest Branch - Lining MC Layhill and Area	CI4925O08	M	Lyttensville	1	Various	TBD	\$ 1,000,000.00			\$ 1,000,000.00		October-08				1.00		4/31/2009	July-09	TBD	April-10				1.00		4
Northwest Branch - Lining PG Mt. Rainier part II and Area	CI4925Q08	P	Anacostia	1	Various	TBD	\$ 1,000,000.00			\$ 1,000,000.00		October-08				1.00		4/31/2009	July-09	TBD	April-10				1.00		4
Northwest Branch - Lining PG Adelphi and Area	CI4925R08	P	Anacostia	1	Various	TBD	\$ 609,650.00			\$ 609,650.00		September-08				0.68		March-09	June-09	TBD	March-10				0.68		4
Laterals	CI4925S08															0.19									0.19		
Northwest Branch - Lining PG Langley Park and Area	CI4925S08	P	Anacostia	1	Various	TBD	\$ 1,000,000.00			\$ 1,000,000.00		October-08				1.00		4/31/2009	July-09	TBD	March-10				1.00		4
Northwest Branch - Lining PG Holly Hillmanor and Area	CI4925T08	P	Anacostia	1	Various	TBD	\$ 1,009,850.00			\$ 1,009,850.00		September-08				0.99		March-09	June-09	TBD	March-10				0.99		4
Laterals	CI4925T08															0.37									0.37		
Northwest Branch - Bursling	TBD	P	Anacostia	1	Various	TBD	\$ 1,300,000.00			\$ 1,300,000.00		October-08				1.30		May-09	August-09	TBD	August-10				1.10	0.20	1
Laterals	TBD															0.59									0.50	0.09	
Beaverdam	TBD	P	Temple Hill	2	Various	TBD	TBD					November-08				10.00		TBD	Jun-09	TBD	February-10				10.00		5, 7

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Please Note: Where two numbers are shown for one contract, the number on top is the main mileage and number underneath is the lateral mileage.

10/7/2008

Project Name	Contract (Job Number)	County	SIG Zone	Estimated Crew	Municipality	Estimated Design Cost	Engineer's Estimate	Estimated Costs				RTA Date	Miles Designed					Bid Date	Award Date	Award Amount	Estimated Construction Completion (Sewer Rehab in Place)	Miles Constructed					Council District
								FY08	FY09	FY10	FY11		FY 05 & FY 06	FY 07	FY 08	FY 09	FY 10					FY 07	FY 08	FY 09	FY 10	FY 11	
Broad Creek	TBD	P	Temple Hill	2	Various	TBD	TBD					November-08				10.00		TBD	Jun-09	TBD	February-10				10.00		8, 9
Northwest Branch	TBD	M	Lyttensville	2	Various	TBD	TBD					November-08				31.00		TBD	Jun-09	TBD	January-11				20.00	11.00	4, 5, 2
Lower Anacostia	TBD	P	Anacostia	2	Various	TBD	TBD					November-08				10.00		TBD	Jun-09	TBD	February-10				10.00		2, 5
Oxon Run	TBD	P	Temple Hill	2	Various	TBD	TBD					November-08				30.00		TBD	Jun-09	TBD	January-11				17.00	13.00	7, 8
Paint Branch	TBD	M	Lyttensville	2	Various	TBD	TBD					November-08				10.00		TBD	Jun-09	TBD	February-10				10.00		4, 5, 1
Rock Creek	TBD	M	Lyttensville	2	Various	TBD	TBD					November-08				30.00		TBD	Jun-09	TBD	January-11				17.00	13.00	2, 4, 5
B/W Pkwy Median (NE Branch)	C14919A/B	P	Anacostia	1	National Park Service/SHA	TBD	TBD					January-09				0.78		March-09	Jun-09	TBD	October-09				0.78		
Beaverdam	TBD	P	Temple Hill	2	Various	TBD	TBD					July-09				10.00		TBD	Apr-10	TBD	December-10				2.00	8.00	5, 7
Broad Creek	TBD	P	Temple Hill	2	Various	TBD	TBD					July-09				15.00		TBD	Apr-10	TBD	March-11				2.00	13.00	8, 9
Cabin John (BR3 & Backlog)	TBD	M	Lyttensville	2	Various	TBD	TBD					July-09				20.00		TBD	Apr-10	TBD	June-11				2.00	18.00	1
Northwest Branch	TBD	M	Lyttensville	2	Various	TBD	TBD					July-09				10.00		TBD	Apr-10	TBD	December-10				2.00	8.00	4, 5, 2
Lower Anacostia	TBD	P	Anacostia	2	Various	TBD	TBD					July-09				10.00		TBD	Apr-10	TBD	December-10				2.00	8.00	2, 5
Oxon Run	TBD	P	Temple Hill	2	Various	TBD	TBD					July-09				10.00		TBD	Apr-10	TBD	December-10				2.00	8.00	7, 8
Paint Branch	TBD	M	Lyttensville	2	Various	TBD	TBD					July-09				10.00		TBD	Apr-10	TBD	December-10				2.00	8.00	4, 5, 1
Rock Creek	TBD	M	Lyttensville	2	Various	TBD	TBD					July-09				15.00		TBD	Apr-10	TBD	March-11				2.00	13.00	2, 4, 5
Main Totals						\$ 2,084,160.16	\$ 83,205,668.00	\$ 8,994,387.11	\$ 82,288,768.10	\$ 20,017,900.00	\$ -		12.90	3.95	64.48	150.92	110.00			\$ 14,247,852.00		4.76	11.13	29.09	142.50	121.20	
Laterals													0.65	6.29	22.60	4.93	0.00					0.14	2.62	15.59	12.19	0.09	
Manholes																											
Rock Creek - Manhole Rehab (456)	C14921A/B	M	Lyttensville		Various	TBD	TBD					August-08				0.00		TBD	December-08	TBD	December-09				0.00		3

Near Term Activities, Engineering and Construction

Construction Activities	Start Date	Finish Date	Estimated Cost
D201 - Outfall Sewer Rehabilitation	04/01/09	03/31/11	45,778,000
BR02 - Nitrification/Denitrification Upgrades Phase III (Mixers)	06/30/09	02/17/12	12,000,000
XB01 - Biological Sludge Thickening Facility	01/01/09	12/01/11	33,700,000
Total Estimated Cost, Construction Activities			91,478,000

Engineering Activities (Design/Program Management)

	Start Date	Finish Date	Estimated Cost
CY-00 LTCP Anacostia Projects Program Management	12/08/08	12/01/13	24,990,000
CY-00 LTCP Anacostia Projects General Consultant	12/08/08	12/01/13	43,260,000
E901 - Nitrogen Removal Facilities	01/18/09	08/18/10	19,500,000
E9-TN Program Management	01/01/09	12/01/13	17,000,000
EE01 - Centrate Treatment Facilities	09/30/09	11/13/10	2,500,000
BR01 - Nitrification / Denitrification Fac	01/31/09	11/29/10	3,475,000
AM- BMP Program Management	01/01/09	12/01/13	13,000,000
BI01 - Plantwide Fine Bubble Aeration	09/28/09	11/11/10	2,145,000
EJ01 - Potomac Pumping Station - Ph III Rehabilitation	02/01/09	05/17/10	855,000
XZ05 - SPB Conveyor System Upgrades	03/01/09	08/27/09	100,000
Total Estimated Cost, Engineering Activities			126,825,000

Total 218,303,000

Note: Dates shown are current planned schedules. It is anticipated that these activities could be accelerated to commence within 90 days.

Projects are listed in priority order.

Date Prepared: 11/26/08

ProjId	Project Name	Project Descriptions
AM	Solids Processing Program Management	This project provides program management services during planning, design and construction of biosolids processes upgrade at the Blue Plains AWTP. These projects will ensure continued reliability of the facilities and compliance with the plant's NPDES discharge permit. Partial funding would enable program management services to be provided for management of individual projects within the overall program.
BI	Plantwide Fine Bubble Aeration	This activity provides engineering services related to the replacement the coarse bubble diffusers in the Secondary Treatment process with fine bubble diffusers. Conversion to a fine bubble aeration system provides the capability to transfer more oxygen to the process while saving overall energy consumption. The project retrofits or replaces the Secondary process blowers and motors that are needed to operate at the higher-pressure requirements of fine bubble systems. This project also modifies Secondary Reactors 3 and 4, to reduce short-circuiting and improve their detention time and performance. Partial funding would allow design of specific components, to the extent funded.
BR	Nitrification/Denitrification Fac	This activity replaces existing 66 aerators with mixers that require less horsepower and provide better mixing performance. If partial funding was provided, the number of mixers replaced would be adjusted to suit funding level.
CY	CSO LTCP Anacostia Projects	These activities provide program mangement services related to the capture and storage for combined sewer overflows (CSOs) being discharged to the Anacostia River. The project comprises construction of approximately 8 miles of tunnels with a volume of about 126 million gallons. Two basic tunnels will be constructed; one extending from Poplar Point to the area of RFK Stadium with the second running from the stadium area, then along Florida Avenue to about 8th Street NW. Construction also includes two side tunnels off the northerly side of the Florida Avenue tunnel for flood control, consolidation of 3 existing CSO outfalls in the Navy Yard area, a pumping station at Poplar Point to dewater the tunnels to the existing collection system for treatment of the stored CSO at Blue Plains, an intercepting sewer along the east side of the Anacostia River to capture overflows from two CSO outfalls and convey them to the tunnels and various diversion structures to convey combined sewer flow to the tunnels. When completed, this project together with CSO control projects already completed or underway are expected to reduce CSOs to the Anacostia I

D2 Outfall Sewer Rehabilitation

This project will rehabilitate the existing Outfall Sewer System tributary to the headworks of the Blue Plains WWTP. The sewers were inspected in 2005 and it was concluded that the pipelines will need to be rehabilitated in order to provide reliable service. This project is eligible for 50/50 matching funding from the Congressional CSO Appropriation, and is mandated by consent decree. Partial funding would allow for the rehabilitation of specific structures located on the sewers.

E9 Nitrogen Removal Facilities

This activity provides engineering services related to a new or expanded nutrient removal system to lower the concentration of total nitrogen in the Blue Plains effluent to 3 mg/l. The Total Nitrogen Removal Project is part of DC WASA's proposed Total Nitrogen -Wet Weather (TN/WW) Plan, which addresses the requirements of the Long Term Control Plan as well as the Chesapeake Bay Tributary Strategies for reducing nitrogen discharged into the Chesapeake Bay. The principal components of this project are this project and Project EE, Centrate Treatment Facilities. Project EE provides for a new treatment system that will remove nitrogen from the recycle stream from solids processing. Partial funding would enable program management services to be provided for management of individual projects within the overall program.

EE Centrate Treatment Facilities

This activity provides for a engineering services related to a new treatment system that will remove nitrogen from the recycle stream from solids processing. The Total Nitrogen Removal Project is part of DC WASA's proposed Total Nitrogen -Wet Weather (TN/WW) Plan, which addresses the requirements of the Long Term Control Plan as well as the Chesapeake Bay Tributary Strategies for reducing nitrogen discharged into the Chesapeake Bay. The principal components are the TN/WW(E) and project E9, Total Nitrogen Removal. Project E9 entails a new or expanded nitrogen removal process to lower the concentration of total nitrogen in the Blue Plains effluent to 3 mg/l. Partial funding would enable program management services to be provided for management of individual projects within the overall program.

EJ	Potomac Pumping Station - Phase III	This project will provide a general upgrade to this station that was placed in service in 1963. It will provide for the replacement of the four existing screens, replacement of gate valve actuators, additional sluice gates between the pumps and the wet well, and a replacement lighting system. It will also provide a new fire alarm and suppression system. Partial funding would be utilized to replace the more critical components, such as the screens.
XB	Biological Sludge Thickening Facility	Project upgrades the existing Dissolved Air Flotation thickening facility and provides new mechanical thickening equipment to thicken all biological waste secondary, nitrification and denitrification sludges generated at the Blue Plains AWTP. This project provides consistent and reliable production of thickened biological sludge at the desired concentration that is required for efficient operation of the Digester Facility. It also improves process efficiency and reliability and reduces objectionable odors. If partial funding was provided, the number of thickeners upgraded would be adjusted to suit funding level.
XZ	Solids Processing Building / DSLF	This project involves repairs to chemical systems and provides for miscellaneous improvements to the Solids Processing Building and Dewatered Sludge Loading Facility. This project replaces aged equipment to ensure integrity and reliability of the systems and facilities which results in improved performance of chemical feed systems and other solids processing operations, and improved biosolids quality. Partial funding would be utilized to replace the more critical components of the facility.